Memo

Quality Control

W/O:			V	VORK ORDER CHANGES				
DATE	STEP	PROCI	EDURE CH	IANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	. D200	0-746-011 PAR#:	Fault Ca	tegory: Park Gas Corre) NC	R· (Ves)	No DQA:	Date:	8.01.04
	R	esolution: Documentation existed	Disposit	ion: QA	: N/C Clo	sed:		11/01/04
NCR: 64657 WORK ORDER NON-CONFORMANCE (NCR)								(0.)
	1	Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
		multibly port missing I		- ADD PARK to Kit				
10/15/10	100	who & 77n instruction		D347+5/04) B /-/+1/	Pu			$ \zeta $
		multibly part missing off who to IIn instruction Pl. and LACK of Attention	io.ran	CR2539-4-03 MP/6B330 x5	14/14/14	-201015/17	10.12.22	10/10/16
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		Pouro/Also Prots Agat Are	,	Jense Parts pad but Boch	12 /01	4.66		V-IV O JAC
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#### Work Order ID 64657

Monday, December 13, 2010 10:24:01 AM



Page 2

Item ID:

D206-746-011

Accept

Setup Start



**Revision ID:** 

Item Name:

Shroud Airflow Heater System

**Start Date:** 

12/13/2010

QC:

Start Qty: 1.00

**Required Date:** 12/31/2010 Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan: \_\_\_\_\_

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Start Run



Stop

Stop

Sequence ID/ Work Center ID

130

Packaging

Packaging

Operation Description

Packaging

Set Up/ **Run Hours** 

0.00

0.00

Identify and pack for shipping as per PPP D206-746-011

Location:

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Accept

Qty

Reject

Reject Number Stamp

Insp.

Dart Aerospace
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W/O:			WO	RK ORDER CHANGE	ES					
DATE	STEP	PRO	OCEDURE CHAI	NGE	ı	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:				R NON-CONFORMA				-21-11		
DATE	STEP	Description of NC		Corrective Action Section			Verific	cation	Date:	Approval
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### **Picklist Print**

Monday, December 13, 2010 10:23:59 AM

Work Order ID: 64657

Parent Item: D206-746-011

Shroud Airflow Heater System Parent Item Name:

**Start Date: 12/13/2010** 

**Required Date: 12/31/2010** 

Page 1

Start Qty: 1.00

Required Qty: 1.00

**Comments:** 

IPP rev.A 06.03.23 IPP rev.B 06.04.26

new issue updated pick list

EC EC

IPP Rev:C 06-05-24 IPP rev D 08.11.18

Per Rev A CHG 003

JLM EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D206-746-041 Chu	Í FRANCISKU FANK FALKFURÐU Í	Manufactured	No			110	Each	0.0000	1	164	4608		L
D206-746-043 Rev	C	Manufactured	No			110	Each	0.0000	1 	ß 6	4659		<u></u>
D3467-041  Shroud Assembly		Manufactured	No			110	Each	3.0000		1 ~		1	· ·

			Locatio	<u>n</u>	Loc	<u>Oty</u>	Loc Code
			ST157			1	
				54214		1	
			ST183			2	
				34065		2	
3468-1 	Manufactured	No			110	Each	0.0000
3468-3 Bille 1888 Hill Birke Bille 1811 (1811 11888) Hill 1881	Manufactured	No			110	Each	5.0000

•	A INDIVID		1111 11		
	Large	Sea	1 Str	in	

Location Loc Qty Loc Code ST060 5 3 62921 63308

W/O:		A designation and the second s	WC	RK ORDER CHANG	GES				
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NCR:		,	WORK ORDI	R NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	&   Sect			Approval QC Inspector
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#### **Picklist Print**

Monday, December 13, 2010 10:23:59 AM

Page 2

Work Order ID: 64657

Parent Item:

D206-746-011

Parent Item Name: Shroud Airflow Heater System



**Start Date: 12/13/2010** 

**Required Date: 12/31/2010** 

Start Qty: 1.00

Required Qty: 1.00

D3468-5

Seal Strip

Manufactured No 110

10.0000

Each

D3469-041

Shut-off Valve Assembly

Locatio	<u>n</u>	Loc	Oty
ST056			8
	63309		8
ST059			2
	62922		2
		110	Each

Loc Qty

3.0000

Loc Code

2.0000

Loc Code

D3471-5

Manufactured

Manufactured

Manufactured

Manufactured

No

No

No

Location

ST159

36937

3 0.0000 110 Each

Each

2

3

Location Loc Qty Loc Code ST062 2

110

62918

110

2.0000 Each

**Location** Loc Qty Loc Code ST062

44623



W/O:	*		WC	ORK ORDER CHANG	GES						
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DATE	STEP	Description of NC	ļ		tion B		Verific	cation	Approval	Approval	
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#### **Picklist Print**

Page 3

Monday, December 13, 2010 10:23:59 AM

Work Order ID: 64657

Parent Item:

D206-746-011

Parent Item Name: Shroud Airflow Heater System



**Start Date: 12/13/2010** 

**Required Date: 12/31/2010** 

Start Qty: 1.00

Required Qty: 1.00

D3475-7

Scoop Outlet

Manufactured No 110 Each 1.0000

D3475-9

Manufactured No Location ST062

Location

ST062

30470

Loc Qty 1 110 Each

Loc Qty

Loc Qty

11.0000

Loc Code

D3478-041

Air Inlet Adapter

No

No

34395

Loc Oty Loc Code 11 11 Each 4.0000

Loc Code

Loc Code

Screen

No Manufactured

Manufactured

Manufactured

Location ST157

35453

110

110

9.0000 Each

Inlet Gasket

Location ST157

35264

34401

9 110 9.0000 Each

5264

Location ST063

Loc Qty

Loc Code

W/O:	•		10	ODK OD	DER CHAN	CEC					
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NCR:			WORK ORI	DER NON	I-CONFORM	IANCE	(NCF	R) .			
		Description of NC		Correctiv		ction B		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Act	on Description Chief Eng	1	Sign 8 Date		tion C	Chief Eng	QC Inspector
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Monday, December 13, 2010 10:23:59 AM

Work Order ID: 64657 Parent Item: D206-746-011 Parent Item Name: Shroud Airflow Heater System **Required Date: 12/31/2010** Start Date: 12/13/2010 Required Qty: 1.00 Start Qty: 1.00 D3478-9 Manufactured No 110 Each 0.0000Air Inlet Scoop D3481-041 110 1.0000 Manufactured No Each Shut-off Valve Bracket Location Loc Qty Loc Code ST065 35164 D3482-1 Manufactured 110 Each 3.0000 No Inlet Insulation Sock Location Loc Qty Loc Code ST161 3 3 34383 D3482-11 Manufactured No 110 Each 6.0000 Insulation Hose, 30' Location Loc Oty **Loc Code** ST161 6 34384 6 D3482-13 Manufactured No 110 Each 15.0000 Insulation Hose, 52" Location Loc Qty Loc Code ST161 15 8 31262

7

34385

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Resolution:			Disposition	n:	QA: N/C CI	osed:		Date: _	
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DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
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# **Picklist Print**

Monday, December 13, 2010 10:24:00 AM

Work Order ID: 64657

Parent Item:

D206-746-011

Parent Item Name:

Shroud Airflow Heater System

Start Date: 12/13/2010

Required Date: 12/31/2010

Page 5

Start Otv: 1.00

Required Oty: 1.00

D3482-3

Outlet Insulation Sock

No

No

No

Manufactured

Manufactured

Manufactured

110

Each

5.0000

D3482-5

Insulation Hose, 20"

Location

ST161 34386

110

5 5 Each

5 0000

Loc Code

D3482-7

Insulation Hose, 36"

Location ST161

34387

Location

Loc Oty 110

Loc Qty

Loc Qty

5

5

5

Each

Loc Oty

Loc Code

3.0000

Loc Code

Loc Code

Loc Code

D3482**-**9

Insulation Hose, 48"

No Manufactured

ST161 34388

110

3 3 5.0000 Each

D3483-1

Red Label

Manufactured No ST161

Location

110

5 Each 7.0000

37255

Location ST065

37259

34389

Loc Qty

	. oopaoc	Liu								
W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHA	ANGE	E	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	egory:	NCR:	Yes N	lo <b>DQ</b>	<b>A</b> :	Date:	
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NCR:			WORK ORD	ER NON-CONFORM	ANCE (	NCR)				
DATE	STEP	Description of NC			ction B		Verific	cation	Approval	Approval
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## **Picklist Print**

Monday, December 13, 2010 10:24:00 AM

Page 6

Work Order ID: 64657

Parent Item:

D206-746-011

Parent Item Name:

Shroud Airflow Heater System



Start Date: 12/13/2010

**Required Date: 12/31/2010** 

Start Oty: 1.00

Required Qty: 1.00

D3483-3

Black Label

Manufactured No 110

Each

7.0000

1

D3483-5

Manufactured No

37260

37261

Location

Location

ST065

ST065

110

Loc Qty

7 Each

7

7.0000

Loc Code

Loc Code



**BLUE TERMINAL AMP** 

Purchased

Purchased

No

No

Loc Qty 7 7 110 Each

22.0000

37261

'AN3-3A



ST399

Location

105542 105992

6 16 110 Each

Loc Oty

22

203.0000

Loc Code

20 |

20 -

Location Loc Qty Loc Code ST350 203 115621 3 116400 200

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STEP	Description of NC		Corrective Action Section B					Approval	Approval
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	STEP	:PAR #: Resolution: STEP Description of NC Section A	STEP PAR #: Fault Cate  Resolution: Disposition  WORK ORD  STEP Description of NC Section A Initial Chief Eng	STEP PAR #: Fault Category:	PAR #: Fault Category: NCI  Resolution: Disposition: QA  WORK ORDER NON-CONFORMANCE  STEP Description of NC	STEP PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C Cla  WORK ORDER NON-CONFORMANCE (NCR  STEP Description of NC Section A   Initial Chief Eng   Action Description Chief Eng   Date	STEP PAR #: Fault Category: NCR: Yes No _DQ.  Resolution: Disposition: QA: N/C Closed:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC	STEP PAR #: Fault Category: NCR: Yes No _DQA: Resolution: Disposition: QA: N/C Closed:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC	STEP PAR #: Fault Category: NCR: Yes No DQA: Date: _ Resolution: Disposition: QA: N/C Closed: Date: _ WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC Section A Conference Action Section B Chief Eng Chief

#### **Picklist Print** Page 7 Monday, December 13, 2010 10:24:00 AM Work Order ID: 64657 Parent Item: D206-746-011 Parent Item Name: Shroud Airflow Heater System **Required Date: 12/31/2010 Start Date: 12/13/2010** Start Qty: 1.00 Required Qty: 1.00 AN35 Purchased No 110 Each 59.0000 **BOLT** Location Loc Qty Loc Code ST350 100771 9 105978 50 AN960-10L NAS1149F0332P Purchased No 110 Each Washer Location Loc Qty Loc Code ST348 4073 101340 4073 NAS1149FN416P Purchased AN960-4L No 110 Each 665.0000 washer Location Loc Qty Loc Code ST345 665 665 101389 AN960-8 NAS1149FN832P Purchased No 110 Each 9.0000 10 WASHER Location Loc Qty Loc Code ST347 19356 CR3223-4-3 Purchased No 110 Each 95.0000

Cherry Rivet

 Location
 Loc Oty
 Loc Code

 ST312
 95

 110153
 95

Shop Packet Print

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Page 7

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NCR:			WORK OR	DER NON-CONFORM	ANCE (NC	R)			
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Monday, December 13, 2010 10:24:00 AM

Work Order ID: 64657

Parent Item:

D206-746-011

Parent Item Name: Shroud Airflow Heater System



Start Date: 12/13/2010

**Required Date: 12/31/2010** 

Start Qty: 1.00

Required Qty: 1.00

MS21919-DG48

**CLAMP** 

Purchased

No

110

Each

8.0000

M\$24166-D1

Purchased

Purchased

Purchased

Purchased

No

No

Location ST306

100798 110 Each

110

Loc Qty

Each

Each

0.0000

3.0000

Loc Code

RELAY MS25244-15

**BREAKER** 

Location Loc Qty Loc Code ST290 110180 110439 2

110

3.0000 

- MS25244-75

CIRCUIT BREAKER

No

No

ST290 110302

Location

3 110 Each

Loc Oty

Loc Code

86.0000

Loc Code Location Loc Qty ST291 86 112466

SCREW PAN HD

MS27039-08-16

Monday, December 13, 2010 10:24:00 AM

Shop Packet Print

Page 9

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W/O:			WO	RK ORDER CHANG	ES				· · · · · · · · · · · · · · · · · · ·
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Monday, December 13, 2010 10:24:00 AM

Work Order ID: 64657 Parent Item: D206-746-011 Parent Item Name: Shroud Airflow Heater System **Required Date: 12/31/2010** Start Date: 12/13/2010 Start Otv: 1.00 Required Oty: 1.00 MS35058-22 Purchased No 110 Each 0.0000 SWITCH NAS43DD3-16N 110 Each 29.0000 10 10 Purchased No SPACER Location Loc Qty Loc\_Code ST279 29 29 104311 NAS43DD3-48FC 11.0000 Purchased No 110 Each Spacer Location Loc Qty Loc Code ST279 11 11 105978 NAS679A3 110 13.0000 Purchased No Each M116417 NUT SELF LOCK Loc Qty Loc Code Location ST280 13 110180 13 QS200-445 OR QS 200 MYYO Purchased No 110 Each 1.0000 CLAMP Location Loc Qty Loc Code

ST450

112679

M112679 3X

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Monday, December 13, 2010 10:24:00 AM

Work Order ID: 64657

D206-746-011

Parent Item:

Parent Item Name: Shroud Airflow Heater System

No

No

No

**Start Date: 12/13/2010** 

**Required Date: 12/31/2010** 

Start Qty: 1.00

Required Qty: 1.00

QS200-56S

CLAMP

Purchased

Purchased

Purchased

110

Each

9.0000

SCEET-11

Location ST295

Location

110277

ST011

115905

9 110

Loc Qty

25.0000

Loc Code

Loc Code

12

Hose 3" Diameter

Location Loc Qty ST029 25 106050 3 113229 11 113405 11

110

Loc Oty

12

12

12.0000



Loc Code

M110277

<b>Dart Aerospace</b>	Ltd	
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DATE	STEP	Description of	NC		·	tive Action	Section B		Verific	cation	Approval	Approval
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# Page 12 of 13

#### 7.0 **PARTS LIST**

Qty	Qty	Part Number	Description	
-011 t\	-041			
		D000 740 044	CUROUD AIRELOW HEATER SYSTEM	
Х		D206-746-011	SHROUD AIRFLOW HEATER SYSTEM REAR OVERHEAD PASSENGER MODI	EICATION KIT
1.1	X	D206-746-041	REAR OVERHEAD PASSENGER MODI	FICATION KIT
		D0 407 044 4	CURCUR ACCEMBLY	(CAM-1984-004)
11		D3467-041 /	SHROUD ASSEMBLY SEAL	(CAM-1984-004)
[2		D3468-1		
<u>; "1</u>		D3468-3	LARGE SEAL STRIP	
• 2		D3468-5	SEAL STRIP	(CAM-1984-005)
1		D3469-041.	SHUT-OFF VALVE ASSEMBLY	
(1)	·	D3471-041	BLOWER MOTOR SUPPORT	(CAM-1984-008) (CAM-1984-008-4)
1		D347 I-5	STIFFENER	
igsquare	2	D3472-041	CABIN HEAT OUTLET DEFLECTOR	(CAM 1084 017 6)
	2	D3472-5	DOUBLER	(CAM-1984-017-6)
1		D3473-041	BLOWER INLET ADAPTER	(CAM-1984-013)
		D3475-041	DUMP OUTLET	(CAM-1984-013-27)
47		D3475-5	SCREEN	(CAM-1984-013-25)
<u> </u>		D3475-7 <	SCOOP OUTLET	(CAM-1984-013-22)
′ 1		D3475-9 /	GASKET	(0.114.400.4.044)
1		D3476-041	BLOWER MOTOR ADAPTER	(CAM-1984-014)
1		D3477-041	BLOWER MOTOR INLET ADAPTER	(CAM-1984-015)
1		D3478-041 /	AIR INLET ADAPTER	(CAM-1984-016)
1		D3478-5 /	SCREEN	
1		D3478-7	GASKET	
; 1		D3478-9 I	INLET SCOOP	(0.11, 10.01, 0.17, 0.0)
-	2	D3479-041	INLET ADAPTER	(CAM-1984-017-22)
	2	D3480-041	EYEBALL INLET ADAPTER	(CAM-1984-017-23)
	2	D3480-043	EYEBALL ADAPTER	(CAM-1984-017-19)
	2	D3480-7	GASKET	(CAM-1984-017-21)
1		D3481-041	SHUT-OFF VALVE BRACKET	(CAM-1984-018)
• 1		D3482-1 🚜	INLET INSULATION SOCK	(CAM-003-34)
1		D3482-3 *	OUTLET INSULATION SOCK	(CAM-003-34)
. 1		D3482-5 /	HOSE INSULATION	(CAM-003-34)
. 2		D3482-7 ·	HOSE INSULATION	(CAM-003-34)
1		D3482-9	HOSE INSULATION	(CAM-003-34)
/ 1		D3482-11	HOSE INSULATION	(CAM-003-34)
1		D3482-13 / /	HOSE INSULATION	(CAM-003-34)
: 1	_	D3483-1	DUMP VALVE PLACARD	(CAM-003-21)
1		D3483-3 💉	SHUT-OFF VALVE PLACARD	(CAM-003-22)
- 1		D3483-5	WARNING PLACARD	

REFERENCE ONLY

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Revision:

Date:

06.05.16



#### DART AEROSPACE LTD.

IIN-D206-746 Page 13 of 13

#### **PARTS LIST (CONTINUED)** 7.0

QTY	QTY	Part Number	Description
-011	-041		
<b>├</b> ─ <del>↓</del>		D000 740 044	SHROUD AIRFLOW HEATER SYSTEM
X	<del></del>	D206-746-011 D206-746-041	REAR OVERHEAD PASSENGER MODIFICATION KIT
1	Х	D206-746-041	REAR OVERHEAD PASSENGER MODIFICATION RIT
		00074	JANITROL BLOWER MOTOR ASS'Y (EQUIV. 26D71-1)
<b>1</b>		26D71	7
4		320565	
	2	9977009-4	BELL EYEBALL VENT
/ 26		AN3-3A	BOLT
	8	AN3-4A	BOLT
3		AN3-5 🖋	BOLT
' 5		AN960-4L	WASHER
10		AN960-8	WASHER
3		AN960-10	WASHER
926	16	AN960-10L	WASHER
	24	CR2248-4-2	RIVET (EQUIV. NAS1739B4-2)
(5)		CR2539-4-03	RIVET (EQUIV. CR3223-4-03)
r: 2		DCS54-9 '	PUSH/PULL CONTROL
	1	HA-000611	CARBON MONOXIDE INDICATOR
1		M22759/16-16-9	-16GA ELECTRICAL WIRE, 120" LONG
. 10		MS21083-N08	NUT
10		MS21919DG-3	CLAMP
. 2		MS21919DG-44	CLAMP
. 1		MS21919DG-48	CLAMP
. 1		MS24166D1	RELAY
1		MS25244-7.5	CIRCUIT BREAKER
1		MS25244-15	CIRCUIT BREAKER
10		MS27039-0816 7	SCREW
	8	MS27039-1-10	SCREW
1		MS35058-22	SWITCH
<u>,</u> 10		NAS43DD3-16N	SPACER
2		NAS43DD3-48FC	SPACER
	12	NAS1738B4-2	RIVET
6	8	NAS679A3 '	NUT
. 6		QS200 44 S	CLAMP
8		QS200 56 S	CLAMP
- 12'		SCEET 11	Ø2.75" HOSE
11'		SCEET 12	Ø3.00" HOSE
1	4	TY-527M	TY RAP

# DART SERVICE INSTRUCTION TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-746 REV. A

NSTALLATION INSTRUCTIONS IIN-D200-7-5.
REF. CANADIAN STC: SH05-45 ISSUE 1
FAA STC: SH3367NM DATED OCT 13 2005
REFERENCE ONLY



The Parts List of Installation Instructions IIN-D206-746 Rev. A should be amended as follows:

Qty -011	Qty -041	Qty -043	Part Number	Description	
X			D206-746-011	SHROUD AIRFLOW HEATER SYSTEM	
1	X	Х	D206-746-041 D206-746-043	REAR OVERHEAD PASSENGER MOD BLOWER MOTOR ASSEMBLY	IFICATION KIT
		1	D3471-041	BLOWER MOTOR SUPPORT	(CAM-1984-008)
		1	D3473-041	BLOWER INLET ADAPTER	(CAM-1984-013)
		1	D3476-041	BLOWER MOTOR ADAPTER	(CAM-1984-014)
		1	D3477-041	BLOWER MOTOR INLET ADAPTER	(CAM-1984-015)
		2	D3585-1	SET SCREW	
		2	D3742-1	BEARING	
		A/R	26221	LOCTITE 226 THREADLOCKER	
		1	26D71	BLOWER MOTOR	(26D71-1)
		6	AN3-3A	BOLT	
		۶ 6	AN960-10	WASHER	
		3	MS27039-08-04	MACHINE SCREW	
		3	MS35333-38	LOCK WASHER	
		A/R	MS20995-025E	LOCK WIRE	

Furthermore, any mention of "Blower Motor Assembly" appearing in Installation Instructions IIN-D206-746 Rev. A, and Installation Drawing D206-746 Rev. A, should be replaced by D206-746-043 Blower Motor Assembly.

For assembly instructions of D206-746-043 Blower Motor Assembly, refer to page 2 of this DSI.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-0-01						
BY: D. SHEPHERD (DE # 02)						
08.01.20						
SH05-45 1						

*∕*€\

С	ADD D3742-1 BEARING; UPDATE FORMAT			PH	08.01.20
В	ADD D3585-1 & DETAIL B			МВ	07.01.02
Α	NEWIS	SUE		MB	06.08.09
REV.			DESCRIPTION	BY	DATE
DESIGN		k	DART AER	OSPACE L	ſD
DRAWN PH		PH	HAWKESBURY,	ONTARIO, CANAL	DA .
CHECKED		A	DRAWING NO.		REV. C
MFG. APPR.		E	DSI 9341		SHEET 1 OF 2
APPROVED -		-14	TITLE		SCALE
DE APPR.		H	$\lnot$ BLOWER MOTO	R ASSEM	BLY NTS
DATE 08.01.20			THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL A NOT TO BE USED FOR ANY PURPOSE OR COPIED		S CONDITION THAT IT IS